



Project: R-3324 County: BRUNSWICK

PROJECT SPECIAL PROVISIONS
Utility Construction



I. GENERAL CONSTRUCTION REQUIREMENTS:

Specifications:

The proposed utility construction shall meet the applicable requirements of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated January 2012, Brunswick County Utilities, The City of Southport, and the Southeast Brunswick Sanitary District specifications, and the following provisions. Should a conflict arise between the referenced standards, the most stringent requirement shall apply.

The Contractor shall be responsible for field verifying location, size, type and elevation of all underground utilities, as well as reconnecting any water and/or sanitary sewer services disturbed during construction, even if they are not shown on the plans. The water line shall be installed as to provide a minimum of 3 feet of coverage above the top of pipe from finished grade, unless shown differently on plans. The Contractor shall verify that all new water and sanitary sewer lines have ten (10') feet horizontal clearance between each other.

The Contractor is herein forewarned as to the possibility of having to vary the depth of the pipeline installation to achieve minimum clearance of existing or proposed utilities or storm drainage while maintaining minimum cover specified (whether existing or proposed pipelines, conduits, cables, mains, storm drainage are shown on the plans or not).

Connecting to existing water mains may alter such lines to the extent that these pipelines with existing pipe bends, valves and other related appurtenances may also require reaction blocking; this is also the responsibility of the Contractor.

Revise the 2012 NCDOT Standard Specifications as follows:

Page 15-1; Sub-article 1500-2 Cooperation with the Utility Owner, paragraph 2, add the following:

The water line owner is the Brunswick County Utilities. The contact person is the Public Utilities Director, Jerry Pierce (910) 253-2657

NCDOT Project No. R-3324
MESCO Project No. G10133

Brunswick County, NC
Project Special Provisions (Utility Construction)

P.O. Box 97
Garner, North Carolina 27529
Phone: (919) 772-5393
FAX: (919) 772-1176
Firm License No. C-0281

The gravity sewer line owner is the Southeast Brunswick Sanitary District. The contact person is the District Manager, Tom Spivey (910) 457-0006

The 8-inch and 6-inch sewer force main owner is the Southeast Brunswick Sanitary District. The contact person is the District Manager, Tom Spivey (910) 457-0006

Page 15-6; Sub-article 1510-3 (B) Testing and Sterilization; change allowable leakage formula to:

$$W=LD(P)^{1/2}/148,000$$

Page 15-6; sub-article 1510-3 (B) Testing and Sterilization; seventh paragraph, delete the words "concurrently or" in the following sentence:

Testing, cleaning and sterilization may be performed *concurrently or* consecutively.

Utility Owner Specifications

Water lines, Valves and Appurtenances:

Brunswick County Engineering Department, Technical Specification 018.01, Water Distribution System, Revision 1.0, September 2012

Gravity Sewer & Force Mains:

Southeast Brunswick Sanitary District, Standard Specifications and Details, Section 02601-Manholes, Drop Connections, and Conflict Manholes and Section 02730-Force Mains and Gravity Sewers

Concrete Pier

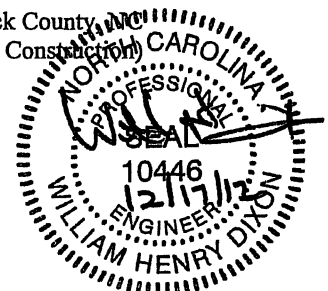
Concrete piers shall be used to support pipes at all stream crossings, where, in the opinion of the Engineer, such piers are necessary. Such piers shall be constructed as shown on the utility plans.

The concrete shall meet the requirements of Section 1000 of the Standard Specifications and the 28 day compressive strength shall meet or exceed 3,600 psi.

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The reinforcing steel shall meet the requirements of Section 1070 of the standard specifications.

Steel for straps and bolts shall be AISI type 316 stainless steel.

Measurement and Payment (Concrete Pier)

Each *Concrete Pier* will be measured and paid for as each. Such price and payment will be full compensation for all work covered by this provision, including but not limited to labor, materials, pier construction, excavation, backfilling, and incidentals necessary to complete the work as required.

Reconnect Sewer Force Main Service

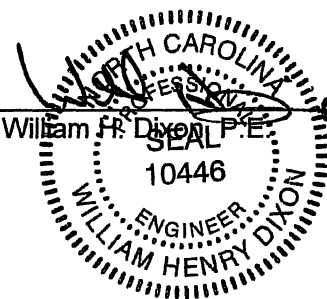
All pressure sewer service connections installed as identified in the construction plans shall be connected to the force mains with equal diameter or 1 1/4" SDR 9 PE or as indicated on the plans.

Measurement and Payment (Reconnect Sewer Force Main Service)

Each *Reconnect Sewer Force Main Service* will be measured and paid for as each. Such price and payment will be full compensation for all work covered by this provision, including but not limited to labor, materials, excavation, backfilling, and incidentals necessary to complete the work as required.

II. COMPENSATION:

No direct payment will be made for utility construction work required by the preceding provisions, which are general requirements applying to utility construction, and all of the requirements stated will be considered incidental work, paid for at the contract unit prices of the various utility items included in the contract.

By: _____  _____

Date 12/17/12

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County: Brunswick

PROJECT SPECIAL PROVISIONS

Utility

UTILITIES BY OTHERS:

General:

The following utility companies have facilities that will be in conflict with the construction of this project.

- A) Progress Energy – Power
- B) Brunswick EMC - Power
- C) AT&T – Telephone
- D) Atlantic Telephone Membership Corp. - Telephone
- E) Time Warner Cable- CATV
- F) City of Southport – 16” Force Main Sewer Line.
- G) Brunswick County Public Utilities – 12” Force Main Sewer Line and 12” water line.

The conflicting facilities of these concerns will be adjusted prior to the date of availability unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owner. All utilities are shown on the plans from the best available information.

The Contractor’s attention is directed to Article 105.8 of the Standard Specifications.

Utilities Requiring Adjustment:

- A) Progress Energy will relocate power lines and will be completed by June 1, 2013.
Contact person is Mr. Wayne Aycock at (910)620-1487.
See Utilities by Others Plans for details.
- B) Brunswick EMC will relocate power lines and will be completed prior to the date of availability.
Contact person is Mr. Rodney Scruggs at (910)540-1375.
See Utilities by Others Plans for details.
- C) AT&T will relocate telephone lines and will be completed by June 1, 2013.
Contact person is Mr. Trent Liter at (919)785-7774.
See Utilities by Others Plans for details.
- D) Atlantic Telephone Membership Corp. will relocate TFO cables and will be completed prior to the date of availability.

October 30, 2012

Contact person is Mr. Scott Dutton at (910)755-1701.
See Utilities by Others Plans for details.

- E) Time Warner Cable will relocate their lines attached to Brunswick EMC poles and will be completed by June 1, 2013.
Contact person is Mr. Robert John at (910)619-0192.
See Utilities by Others Plans for details.
- F) City of Southport – Prop. 16” Force Main Sewer Line will be completed prior to the date of availability.
See Utilities by Others Plans for details.
- G) Brunswick County Public Utilities – Prop. 12” Force Main Sewer Line and 12” water line, will be completed by June 1, 2013.
See Utilities by Others Plans for details.